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DQ Series Range Hood
Installation

Air King Ventilation Products®

Read and save these instructions.

Important Safeguards

WARNING • DISCONNECT THE RANGE HOOD FROM POWER SUPPLY BEFORE SERVICING.

WARNING • TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK OR INJURY TO PERSONS OBSERVE THE FOLLOWING:

a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.

b) Before servicing or cleaning the unit, switch power to off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

c) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

d) Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards, such as those published by the National Fire Protection Association (NFPA) and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.

e) When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.

f) Ducted fans must always be vented to the outdoors.

CAUTION • For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapours.

CAUTION • To reduce the risk of fire, use only metal ductwork.

CAUTION • To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings, or into attics, crawlspaces, or garages.

WARNING • TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

a) Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.

b) Always turn the hood ON when cooking at high heat or when cooking flaming foods.

c) Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.

d) Always use proper pan size. Always use cookware appropriate for the size of the surface element.

WARNING • TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:

a) Smother flames with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.

b) NEVER pick up a flaming pan – you may be burned.

c) DO NOT use water, including wet dishclothes or towels – a violent steam explosion will result.

d) Use an extinguisher ONLY if:

1. You know you have a class ABC extinguisher, and you already know how to operate it.
2. The fire is small and contained in the area where it started.
3. The fire department is being called.
4. You can fight the fire with your back to an exit.

Suitable for use with solid-state speed control.

Installation Preparation

To install this hood you will require two people. You will need the following tools and material to complete this installation:

- drill
- flat head screwdriver
- Phillips head screwdriver or cordless drill and Phillips head bit
- tin snips
- 3/8" nut driver or ratchet with extension
- measuring tape
- hand saw or jig saw
- electrical tape
- duct tape
- standard electrical connector

Ensure the power has been turned off before beginning this installation.

1. Remove the range hood from the carton.

2. Lay the hood upside down on a table covered with cardboard or paper to prevent scratching of the table or hood.

3. Remove the 2 grease filters from the hood (fig. 1). Place them somewhere safe so they will not get damaged.

4. Remove the range hood's bottom cover – 4 screws hold it in place (fig. 1). Place the cover somewhere safe so it does not get damaged and save the screws.

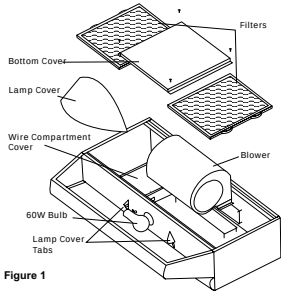

Figure 1

5. Remove the range hood's lamp cover by squeezing in the sides – it is held in place by tension against 2 tabs on the range hood. Place it somewhere safe so it does not get damaged.

6. Remove the range hood's damper frame and installation screws from inside the range hood and keep them somewhere safe until needed.

7. Remove the range hood's wire compartment cover. It is held in place by 1 screw. Place the wire cover and screw somewhere safe until needed.

8. Remove the range hood's blower. Use a 3/8" nut driver or ratchet to remove the 4 nuts holding it in position (fig. 1). Place the blower and nuts somewhere safe until needed.

9. Turn the hood right side up so you can see the duct knockouts and mounting holes.

Cabinet Preparation for Hood Support

We recommend that after installation the bottom of the hood should be no less than 20" and no more than 30" above the stove's heating elements or burners.

1. If the bottom of the cupboard is recessed above the bottom of the cupboard door, then it will be necessary to attach wood strips to the bottom of the cupboard in the location where the range hood will mount.

2. By using a template or by measurement, transfer the proper location to install the wood strips on the bottom of the cabinet. The wood strips should line up with the 4 keyhole slots on the top of the range hood.

Ducting and Electrical Knockout Preparation

DQ Series range hoods are fully convertible for vertical, horizontal or ductless operation (Fig. 2). Your range hood is supplied with a 3¼" x 10" damper frame for a transition piece from the hood to the ducting. Below is a brief ducting installation description. Your installation will depend on whether there is existing ducting or the ease of installing a ducting run.

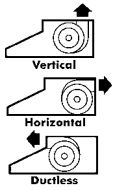

Figure 2

Vertical

Vertical is the most common. If your kitchen has an attic space above, the ducting may be run up through the cupboard and attic to a roof cap. If your kitchen has a soffit above the cupboards, you may run the duct up into the soffit and then discharge horizontally through the outside wall to a wall cap.

Horizontal

If the range hood is located against an outside wall, horizontal discharge is preferred provided there are no obstructions, such as wall joists or a place where openings are difficult to make.

Ductless

In a ductless installation the air is re-circulated back into the kitchen. This method is energy efficient because you are not exhausting conditioned air, however the air delivery will be somewhat less. If you do not anticipate heavy cooking this method may be preferred. It will not be necessary to remove any duct knockouts, however you will have to remove the range hood's vent insert (fig. 3). You should use the 2 Charcoal/Grease filters (part CF-01 for 30" – not supplied) to help remove cooking odours. The charcoal/grease filters may be purchased through your retailer, wholesaler, or directly through Air King. These filters are **not** dishwasher safe and must be replaced at regular intervals, depending on use.

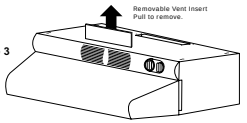

Figure 3

Electrical Knockout

The preferred location for the electrical connector, vertical or horizontal, will depend on existing installation or ease of routing wiring. All electrical connections must comply with national and local codes. Transfer the location of the selected range hood knockouts to the bottom of the cupboard or onto the wall, then cut or drill a hole to allow for clearance of the electrical cable clamp. Be careful not to cut into any hidden utilities, such as electrical wires.

Once you have planned your ducting and electrical installation, you can prepare the hood by removing the appropriate knockouts and attaching the damper frame and an approved electrical connector (not supplied).

Removing Duct & Electrical Knockouts and Damper Frame Installation

1. To remove the selected duct knockout, pry up the edge of the knockout area and snip or break the attachment points (fig. 4).

Figure 4

2. Once the desired knockout is removed, attach the damper frame and secure into position using the two 3/8" screws supplied. You may use duct tape to create an air tight seal between the damper frame and the hood (fig. 5).

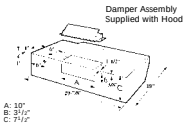

Figure 5

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3. If you have selected the back of the hood for electrical connection, you will have to remove the desired electrical knockout by inserting a flat head screwdriver into the center slot of the knockout and prying back and forth continuously until the knockout is free. In the vertical position, a hole already exists.

4. Install an approved electrical connector into the knockout and secure it into the hood.

Blower Installation

When reinstalling the blower into the hood, you will have to mount the blower in the same direction you have ducted it.

For Ducted Installations

1. Install the blower into the hood in the direction you have ducted, horizontal or vertical.

2. Place the blower mounting brackets (brackets on either side of the blower outlet) over the blower mounting studs on the range hood. **Note: Support the blower in position by hand until it is firmly secured.**

3. Using the 4 nuts removed earlier, secure the blower in place. Start the nuts by hand first, then tighten down with a 3/8" nut driver or ratchet. A 3/8" ratchet with an extension will make this operation easier.

4. Plug the blower into the appropriate connector on the side of the wire compartment.

For Ductless Installations Only

If you have decided on a ductless installation follow the steps below.

1. Install the self adhesive foam (provided) around the grill opening on the inside of the hood (fig. 6).

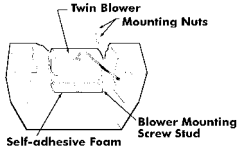

Figure 6

2. Place the 4 nylon spacers (provided) onto the long blower mounting studs.

3. Position the blower into the proper position. **Note: Support the blower in position by hand until it is firmly secured.**

4. Using the 4 nuts removed earlier, secure the blower in place. Start the nuts by hand first, then tighten down with a 3/8" nut driver or ratchet. A 3/8" ratchet with an extension will make this operation easier.

5. Remove the range hood's vent insert from behind the grill on the outside of the range hood (fig. 3).

6. Plug the blower into the appropriate connector on the side of the wire compartment.

Hood Installation

1. Lift the hood up into position, then guide the electrical cable through the electrical connector and secure it in the connector. Make sure you leave enough cable in the hood to make electrical connections.

2. Install the four mounting screws from the bottom of the range hood into the 4 keyhole mounting holes. Fasten the screws securely. With the screws tightened down and the hood in the proper position, the four screws in the keyhole slots should be in the narrow section of the keyholes.

3. Make the necessary electrical connections. **White** from the house to the **white** of the range hood, **black** from the house to the **black** of the range hood, **green or bare copper ground** from the house to the unused **green ground screw** on the range hood. Use approved electrical connectors and secure the connections with electrical tape. All wiring must comply with national and local code regulations. **ALWAYS PROPERLY GROUND THIS RANGE HOOD**.

4. Reinstall the range hood's wire compartment cover and secure into place using the screw removed earlier.

5. Attach the house's duct work to the damper frame and seal all joints with duct tape.

Completing the Installation

1. With the hood securely installed, all the necessary electrical and ducting connections made and the blower mounted in the proper position, you can reinstall the hood's bottom cover (fig. 1) and secure it in place with the four screws removed earlier.

2. Reinstall the range hood's filters.

3. Install one 60 watt (max.) bulb into the lamp holder and reinstall the lamp cover by squeezing the cover's sides. The tabs on the lamp cover will fit into slots on the range hood.

4. Turn the range hood's switches to the off position and then turn on the power to the unit and test your installation. If you hear any vibration noise or rattling, try to eliminate by tightening fastener or adding duct tape. In some cases it will be beneficial to remove the range hood's aluminum damper.

Cleaning Instructions

DISCONNECT RANGE HOOD FROM POWER SUPPLY BEFORE CLEANING OR SERVICING.

1. Use mild soap or detergent to clean the hood.

2. Do not use harsh alkalis or abrasives.

3. Avoid the use of scouring powders or dishwasher compounds.

4. Grease filters may be washed using mild soap or detergent or in the dishwasher, however heavy grease buildup may require replacement.

5. Charcoal/grease filters cannot be cleaned and must be replaced regularly.

Repair and Replacement Parts

DISCONNECT RANGE HOOD FROM POWER SUPPLY BEFORE CLEANING OR SERVICING.

All parts may be obtained from service stations authorized by Air King Ltd., or may be ordered directly from Air King. When ordering parts, please have your range hood model number ready.

Grease or charcoal/grease filters may be purchased through your retailer/wholesaler, or directly from Air King. Refer to the table below for the proper filters:

Model	Grease Only	Charcoal/Grease
DQ - 30" width	GF-01	CF-01

Air King

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DELUXE QUIET

RANGE HOOD

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